SEQUENCE LISTING

<110>   Shi, Yigong

<120>   Compositions and Methods for Identifying Modulators of HAUSP

<130>   Y2098-10901

<140>   US 10/573,427
<141>   2006-11-29

<150>   PCT/US2005/047572
<151>   2005-12-30

<160>   7

<170>   PatentIn version 3.5

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<213>   human

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Thr Ser Trp Arg Ser Glu Ala Thr Phe Gln Phe Thr Val Glu Arg Phe
1   5   10   15

Ser Arg Leu Ser Glu Ser Val Leu Ser Pro Pro Cys Phe Val Arg Asn
            20   25   30

Leu Pro Trp Lys Ile Met Val Met Pro Arg Phe Tyr Pro Asp Arg Pro
        35   40   45

His Gln Lys Ser Val Gly Phe Phe Leu Gln Cys Asn Ala Glu Ser Asp
    50   55   60

Ser Thr Ser Trp Ser Cys His Ala Gln Ala Val Leu Lys Ile Ile Asn
65   70   75   80

Tyr Arg Asp Asp Glu Lys Ser Phe Ser Arg Arg Ile Ser His Leu Phe
                85   90   95

Phe His Lys Glu Asn Asp Trp Gly Phe Ser Asn Phe Met Ala Trp Ser
            100   105   110

Glu Val Thr Asp Pro Glu Lys Gly Phe Ile Asp Asp Asp Lys Val Thr
            115   120   125

Phe Glu Val Phe Val Gln Ala
    130   135

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<212>   PRT
<213>   human

<400>   2

Glu Glu Ala Ser Phe Asp Gly Thr Phe Leu Trp Lys Ile Thr Asn Val
1   5   10   15

Thr Arg Arg Cys His Glu Ser Ala Cys Gly Arg Thr Val Ser Leu Phe
            20   25   30

Ser Pro Ala Phe Tyr Thr Ala Lys Tyr Gly Tyr Lys Leu Cys Leu Leu
            35   40   45

Tyr Leu Asn Gly Asp Gly Thr Gly Lys Arg Thr His Leu Ser Leu Phe
        50   55   60

Ile Val Ile Met Arg Gly Glu Tyr Asp Ala Leu Leu Pro Trp Pro Phe
65   70   75   80

Arg Asn Lys Val Thr Phe Met Leu Leu Asp Gln Asn Asn Arg Glu His
                85   90   95

Ala Ile Asp Ala Phe Arg Pro Asp Leu Ser Ser Ala Ser Phe Gln Arg
            100   105   110

Pro Gln Ser Glu Thr Asn Val Ala Ser Gly Cys Pro Leu Phe Phe Pro
            115   120   125

Leu Ser Lys Leu Gln Ser Pro Lys His Ala Tyr Val Lys Asp Asp Thr
        130   135   140

Met Phe Leu Lys Cys Ile Val Glu
145   150

<210>   3
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<213>   human

<400>   3

Glu Ala Ser Thr Tyr Asp Gly Val Phe Ile Trp Lys Ile Ser Asp Phe
1   5   10   15

Ala Arg Lys Arg Gln Glu Ala Val Ala Gly Arg Ile Pro Ala Ile Phe
            20   25   30

Ser Pro Ala Phe Tyr Thr Ser Arg Tyr Gly Tyr Lys Met Cys Leu Arg
            35   40   45

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Ile Tyr Leu Asn Gly Asp Gly Thr Gly Arg Gly Thr His Leu Ser Leu
    50              55                  60

Phe Phe Val Val Met Lys Gly Pro Asn Asp Ala Leu Leu Arg Trp Pro
65              70              75                  80

Phe Asn Gln Lys Val Thr Leu Met Leu Leu Asp Gln Asn Asn Arg Glu
            85                  90                  95

His Val Ile Asp Ala Phe Arg Pro Asp Val Thr Ser Ser Ser Phe Gln
        100             105             110

Arg Pro Val Asn Asp Met Asn Ile Ala Ser Gly Cys Pro Leu Phe Cys
        115             120             125

Pro Val Ser Lys Met Glu Ala Lys Asn Ser Tyr Val Arg Asp Asp Ala
    130             135             140

Ile Phe Ile Lys Ala Ile Val Asp Leu
145             150

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<400>   4

Glu Thr Ala Ser Tyr Asn Gly Val Leu Ile Trp Lys Ile Arg Asp Tyr
1               5               10              15

Lys Arg Arg Lys Gln Glu Ala Val Met Gly Lys Thr Leu Ser Leu Tyr
        20              25                  30

Ser Gln Pro Phe Tyr Thr Gly Tyr Phe Gly Tyr Lys Met Cys Ala Arg
        35              40              45

Val Tyr Leu Asn Gly Asp Gly Met Gly Lys Gly Thr His Leu Ser Leu
    50              55                  60

Phe Phe Val Ile Met Arg Gly Glu Tyr Asp Ala Leu Leu Pro Trp Pro
65              70              75                  80

Phe Lys Gln Lys Val Thr Leu Met Leu Met Asp Gln Gly Ser Ser Arg
            85                  90                  95

Arg His Leu Gly Asp Ala Phe Lys Pro Asp Pro Asn Ser Ser Ser Phe
        100             105             110
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Lys Lys Pro Thr Gly Glu Met Asn Ile Ala Ser Gly Cys Pro Val Phe
    115                 120                 125

Val Ala Gln Thr Val Leu Glu Asn Gly Thr Tyr Ile Lys Asp Asp Thr
    130                 135                 140

Ile Phe Ile Lys Val Ile Val Asp Thr Ser Asp Leu
145                 150                 155
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<212> PRT
<213> human

<400> 5

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Ser Val Gly Ser Asp Gly Val Leu Ile Trp Lys Ile Gly Ser Tyr Gly
1               5                   10                  15

Arg Arg Leu Gln Glu Ala Lys Ala Lys Pro Asn Leu Glu Cys Phe Ser
            20                  25                  30

Pro Ala Phe Tyr Thr His Lys Tyr Gly Tyr Lys Leu Gln Val Ser Ala
        35                  40                  45

Phe Leu Asn Gly Asn Gly Ser Gly Glu Gly Thr His Leu Ser Leu Tyr
    50                  55                  60

Ile Arg Val Leu Pro Gly Ala Phe Asp Asn Leu Leu Glu Trp Pro Phe
65                  70                  75                  80

Ala Arg Arg Val Thr Phe Ser Leu Leu Asp Gln Ser Asp Pro Gly Leu
                85                  90                  95

Ala Lys Pro Gln His Val Thr Glu Thr Phe His Pro Asp Pro Asn Trp
            100                 105                 110

Lys Asn Phe Gln Lys Pro Gly Thr Trp Arg Gly Ser Leu Asp Glu Ser
            115                 120                 125

Ser Leu Gly Phe Gly Tyr Pro Lys Phe Ile Ser His Gln Asp Ile Arg
    130                 135                 140

Lys Arg Asn Tyr Val Arg Asp Asp Ala Val Phe Ile Arg Ala Ala Val
145                 150                 155                 160

Glu Leu Pro Arg Lys
                165
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<213>   human

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Glu Gly Thr Cys Tyr Asn Gly Lys Leu Ile Trp Lys Val Thr Asp Tyr
1   5   10   15

Lys Met Lys Lys Arg Glu Ala Val Asp Gly His Thr Val Ser Ile Phe
                20   25   30

Ser Gln Ser Phe Tyr Thr Ser Arg Cys Gly Tyr Arg Leu Cys Ala Arg
            35   40   45

Ala Tyr Leu Asn Gly Asp Gly Ser Gly Arg Gly Ser His Leu Ser Leu
        50   55   60

Tyr Phe Val Val Met Arg Gly Glu Phe Asp Ser Leu Leu Gln Trp Pro
65   70   75   80

Phe Arg Gln Arg Val Thr Leu Met Leu Leu Asp Gln Ser Gly Lys Lys
                85   90   95

Asn Ile Met Glu Thr Phe Lys Pro Asp Pro Asn Ser Ser Ser Phe Lys
                100   105   110

Arg Pro Asp Gly Glu Met Asn Ile Ala Ser Gly Cys Pro Arg Phe Val
            115   120   125

Ala His Ser Val Leu Glu Asn Ala Lys Asn Ala Tyr Ile Lys Asp Asp
        130   135   140

Thr Leu Phe Leu Lys Val Ala Val Asp Leu Thr Asp Leu
145   150   155

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<210>   7
<211>   160
<212>   PRT
<213>   human

<400>   7
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Glu Ala Gln Gln Cys Asn Gly Ile Tyr Ile Trp Lys Ile Gly Asn Phe
1   5   10   15

Gly Met His Leu Lys Cys Gln Glu Glu Lys Pro Val Val Ile His
                20   25   30

Ser Pro Gly Phe Tyr Thr Gly Lys Pro Gly Tyr Lys Leu Cys Met Arg
        35   40   45

Leu His Leu Gln Leu Pro Thr Ala Gln Arg Cys Ala Asn Tyr Ile Ser
    50   55   60

Leu Phe Val His Thr Met Gln Gly Glu Tyr Asp Ser His Leu Pro Trp
65   70   75   80

Pro Phe Gln Gly Thr Ile Arg Leu Thr Ile Leu Asp Gln Ser Glu Ala
            85   90   95

Pro Val Arg Gln Asn His Glu Glu Ile Met Asp Ala Lys Pro Glu Leu
            100   105   110

Leu Ala Phe Gln Arg Pro Thr Ile Pro Arg Asn Pro Lys Gly Phe Gly
        115   120   125

Tyr Val Thr Phe Met His Leu Glu Ala Leu Arg Gln Arg Thr Phe Ile
    130   135   140

Lys Asp Asp Thr Leu Leu Val Arg Cys Glu Val Ser Thr Arg Phe Asp
145   150   155   160